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TITLE : ELECTROLYTE FOR DRIVING ELECTROLYTIC CAPACITOR

ABSTRACT : PURPOSE: To augment the sparking voltage while increasing the specific conductive by a method wherein phthalic acid salt of a diazabicycloalkene as a solute is melted in a mixed solvent mainly composed of γ -butyrolactone to produce an electrolyte and then phosphotangstic acid or salt thereof is added to the electrolyte.

CONSTITUTION: In order to produce an electrolyte, phthalic acid salt of a diazabicycloalkene as a solute is melted in a mixed solvent mainly composed of γ -butyrolactone. At this time, a mixture of one or two kinds or more elements is used out of the elements enumerated as follows, i.e., as for the alkene, 1.8 diazabicyclo [5,4,0] undecene-7, 1.5-diazabicyclo [4,3,0] nonene-5, 1.8-diazabicyclo [5,3,0] decene 7, 3-methyl, 1.5 diazabicyclo [4,3,0] nonene 5, etc. The optimum ones out of the above mentioned elements are undecene-7 and nonane-5. Furthermore, if necessary, water not exceeding 10weight% may be contained. Through these procedures, the specific conductance can be notably augmented up to 5.9~7.0mS/cm.

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